

Generation of cell lines stably expressing ACVR1-IPF

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 An abbreviated version of this protocol was published in eLIFE in Jan 2018

TGF- β uses a novel mode of receptor activation to phosphorylate SMAD1/5 and induce epithelial-to-mesenchymal transition

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Related files

 ACVR1_IPF_complete protocol.pdf



How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Ramachandran, A. and Hill, C. (2021). Generation of cell lines stably expressing ACVR1-IPF. Bio-protocol Preprint. bio-protocol.org/prep1112.
2. Ramachandran, A., Vizán, P., Das, D., Chakravarty, P., Vogt, J., Rogers, K. W., Müller, P., Hinck, A. P., Sapkota, G. P. and Hill, C. S.(2018). TGF- β uses a novel mode of receptor activation to phosphorylate SMAD1/5 and induce epithelial-to-mesenchymal transition. eLIFE. DOI: [10.7554/eLife.31756](https://doi.org/10.7554/eLife.31756)

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